

CLAIMS

What is claimed is:

1. A refrigeration container unit including a cargo container having an interior and a refrigeration unit for conditioning and circulating air in said cargo container, said refrigeration unit including an evaporator fan located upstream of an evaporator and a microprocessor for controlling and recording conditions in said cargo container, said container unit further including:

said fan producing a suction pressure upstream thereof and a discharge pressure downstream thereof;

manually operated means for simultaneously controlling all positions between closed and fully open of two flow paths between said interior of said cargo container and ambient atmosphere surrounding said cargo container;

a first one of said two flow paths is for supplying atmospheric air to air circulating in said cargo container and extends from a point which is just upstream of said fan and which is at suction pressure and said ambient atmosphere whereby atmospheric air is supplied to circulating air;

a second one of said two flow paths is for discharging circulating air from said cargo container to said ambient atmosphere and extends to said ambient atmosphere from a point which is just downstream of said fan and which is at discharge pressure;

means for sensing all positions of said manually operated means; and

means for continuously providing a signal to said microprocessor indicative of the sensed position sensed by said means for sensing when said manually operated means is in any position and for recording the sensed positions by said microprocessor.

2. The refrigeration container unit of claim 1 wherein said refrigeration unit includes said evaporator fan located in said cargo container at a location intermediate said two flow paths.

3. The refrigeration container unit of claim 1 wherein said manually operated means includes a rotatable member having a pair of radially spaced ports which form portions of said two flow paths.

4. The refrigeration container unit of claim 3 wherein said refrigeration unit includes said evaporator fan located in said cargo container at a location intermediate said two flow paths.

5. The refrigeration container unit of claim 1 wherein said means for sensing is a Hall effect sensor.

6. The refrigeration container unit of claim 5 wherein said manually operated means includes a rotatable member having a pair of radially spaced ports which form portions of said two flow paths.

7. The refrigeration container unit of claim 6 wherein said manually operated means is selectively operable over two ranges of opening.

8. The refrigeration container unit of claim 7 where one of said two ranges of opening is less than the other and extends from closed to partially open.

9. The refrigeration container unit of claim 1 wherein said means for sensing is secured to said manually operated means and rotates therewith.

10. The refrigeration container unit of claim 1 further including means for running said fan whenever said manually operated means is in an open position.